

In the Claims

1. (original) A crosslinked composition comprising:
 - 5 - from 20 to 100 parts by weight of at least one elastomer (I),
 - from 2 to 50 parts by weight of at least one triblock block copolymer (II), at least one block of which is composed predominantly of methacrylic monomers,
 - from 0 to 100 parts by weight of at least one thermoplastic polymer
 - 10 (III).

2. (currently amended) The composition as claimed in claim 1, ~~characterized in that~~ wherein the triblock block copolymer (II) corresponds to the following general formula Y-B-Y' in which: B is an elastomeric block
- 15 thermodynamically incompatible with the Y and Y' blocks, and Y and Y' ~~have or do not~~ may or may not have the same chemical composition and at least one of ~~them~~ Y and Y' ~~is composed~~ comprises predominantly of methacrylic monomers.

- 20 3. (currently amended) The composition as claimed in claim 2, ~~characterized in that~~ wherein B is an elastomeric block co-crosslinkable with the elastomer (I) ~~chosen~~ and selected from the group consisting of polydienes, partially or completely hydrogenated polydienes, polyolefin elastomers, long-chain polyacrylates, nitrile elastomers ~~or~~ and acrylic copolymers with
- 25 low Tg values comprising pendant vinyl functional groups.

4. (currently amended) The composition as claimed in claim 3, ~~characterized in that~~ wherein B is a polydiene obtained by the polymerization of at least one monomer ~~chosen~~ selected from the group consisting of butadiene,
- 30 isoprene, 2,3-dimethyl-1,3-butadiene, 1,3-pentadiene and 2-phenyl-1,3-butadiene.

5. (currently amended) The composition as claimed in claim 2, ~~characterized in that~~ wherein Y and Y' are obtained by the polymerization of at least one

monomer ~~chosen from~~ selected from the group consisting of styrene and its derivatives, short-chain alkyl methacrylates, ~~such as~~ methyl methacrylate, ~~or~~ functional monomers, ~~such as~~ acrylic acid, methacrylic acid ~~or~~ and glycidyl methacrylate.

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6. (currently amended) The composition as claimed in claim 5, ~~characterized in that~~ wherein Y is a block composed predominantly of styrene and in that Y' is a block comprising at least 50% by weight of methyl methacrylate.

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7. (original) The composition as claimed in claim 6, in which the Y' block comprises imide functional groups.

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8. (currently amended) The composition as claimed in claim 1, ~~characterized in that~~ wherein the elastomer (I) is a compound ~~chosen~~ selected from the group consisting of natural rubbers, synthetic rubbers, EPRs, EPDMs, elastomers with metallocene polymerization which may or may not be modified, ~~such as~~ poly(octene/ethylene), long-chain polyacrylates, ~~or~~ polyolefin elastomers, ~~which may or may not be modified~~, long-chain polyacrylates, ~~such as~~ poly(butyl acrylate), ~~or~~ poly(2-ethylhexyl acrylate),
20 fluoroelastomers (FPMs), ~~such as~~ copolymers based on tetrafluoroethylene, and silicone elastomers.

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9. (currently amended) The composition as claimed in claim 8, ~~characterized in that~~ wherein the elastomer (I) is poly(octene/ethylene).

10. (currently amended) The composition as claimed in claim 9, ~~characterized in that~~ wherein said composition ~~it~~ can be converted like a thermoplastic.

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11. (currently amended) The composition as claimed in claim 1, ~~characterized in that~~ wherein the thermoplastic polymer is chosen from grafted polyolefins, ~~such as~~ polyethylenes, polypropylenes and poly(ethylene/propylene)s grafted with acrylic acid, maleic anhydride or glycidyl methacrylate.

12. (currently amended) The composition as claimed in ~~any one of the preceding claims claim 1~~, ~~characterized in that it comprises~~ comprising, before crosslinking, at least one crosslinking system which comprises one or more crosslinking agents and one or more crosslinking promoters.
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13. (currently amended) The composition as claimed in claim 12, ~~characterized in that~~ wherein the crosslinking system comprises, as crosslinking agent, one or more organic peroxides ~~chosen~~ selected from the group consisting of dicumyl peroxide, 1,3-bis(t-butylisopropyl)benzene, 2,5-dimethyl-2,5-bis(t-butyl)hexane peroxide and 1,1-bis(t-butyl)-3,3,5-trimethylcyclohexane; and, as crosslinking promoter(s), one or more compounds ~~chosen~~ selected from the group consisting of zinc oxide, stearic acid, N,N'-(m-phenylene)dimalleimide, triallyl cyanurate, triisobutyl cyanurate, dimethacrylates, trimethacrylates, diacrylates and triacrylates.
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14. (currently amended) The composition as claimed in claim 12, ~~characterized in that~~ wherein the crosslinking system is based on sulfur and comprises, in addition to zinc oxide and/or stearic acid as crosslinking promoters, one or more sulfur-donating activators and optionally an antireversion agent.
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15. (currently amended) The composition as claimed in claim 12, ~~characterized in that~~ wherein the crosslinking system comprises, as crosslinking agent, a phenolic resin chosen from reactive alkylated methylphenol/ formaldehyde and bromomethylphenol/formaldehyde resins and, as crosslinking promoter, a chloropolymer, optionally in combination with zinc oxide and/or stearic acid.
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16. (currently amended) The composition as claimed in ~~one of claims 13 to 15~~ claim 13, ~~characterized in that~~ wherein the crosslinking agent and the crosslinking promoter are present at a content of between 0.5 and 12 parts by weight per 100 parts of the blend.
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17. (currently amended) The crosslinked composition as claimed in ~~any one of the preceding claims claim 1~~, ~~additionally~~ further comprising a plasticizer
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and/or fillers of the light-colored fillers type or carbon blacks type and/or adjuvants.

18. (currently amended) A process for the preparation of the crosslinked
5 composition ~~with thermoplastic conversion as claimed in one of the~~
~~preceding claims claim 1, characterized in that it comprises the~~ comprising
~~the steps of~~ blending of at least one elastomer and of at least one triblock
block copolymer, optionally in the presence of a thermoplastic polymer, of
a plasticizer, of fillers and/or of adjuvants, and ~~the~~ crosslinking of this
10 blend by an appropriate crosslinking system at a suitably chosen
temperature.
19. (currently amended) The process as claimed in claim 18, ~~characterized in~~
~~that wherein it comprises the said~~ crosslinking occurs at a temperature of
15 between 150 and 320°C.
20. (currently amended) The process as claimed in claim 18 ~~or 19,~~
~~characterized in that~~ wherein the crosslinking is carried out for a time of
between 1 and 15 minutes.
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- 21-28 (canceled)
29. (new) An article of manufacture comprising the composition of claim 1.
- 25 30. (new) The article of manufacture of claim 29 comprising an insulation,
leaktight seal, conduit, pipe, hose, manifold, nozzle, electric cable, tire, belt, or
shoe sole.
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